



## PATENT ABSTRACTS OF JAPAN

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## (54) ENZYMIC FUNCTION ELECTRODE

desired substance can be measured.

## (57) Abstract:

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PURPOSE: To make it possible to measure the concn. of an objective substance without receiving the obstruction of the oxidizable substance present in a specimen, by arranging a grid electrode to the surface of a substrate sensitive part.

CONSTITUTION: At first, a quinone carbon paste electrode 1 flattened at one end thereof is formed. Next, a glucose oxidase solution 2 is placed on the electrode surface thereof to evaporate water and a dialytic film 3 is placed thereon. Further, a gold minigrid electrode 4 is placed on said dialytic film 3 and adhered using a glass tube 7 and a quick-drying epoxy resin. Further, lead wires 6 are bonded to one terminal of the electrode 4 by a conductive adhesive 8 and the dialytic film 3 is also fixed when the electrode 4 is adhered to the glass tube 7. Furthermore, the insulative fixing of the electrode 4 and the lead wire 6 is performed using the quick-drying epoxy resin. The oxidizable substance present in a specimen is preliminarily oxidized by the electrode 4 to prevent the generation of a current due to the oxidizable substance at measuring potential. By this method, the concn. of a

